

Columbus Water Works Middle Chattahoochee River Watershed Study

Project Objectives

- Drinking Water Protection
- •Water Quality Improvements Due to CSO Controls
- Measurement of Watershed Health
- •Framework for TMDL and Compliance with Standards
- Baseline for Watershed Management Plans
- Community Involvement & Outreach

Project Stakeholders/Participants

US EPA Office of Water

Alabama Department of Environmental Management

Georgia Environmental Protection Division

Georgia Power

Mead Corporation

Columbus Water Works

Auburn University

Columbus State University

Georgia Institute of Technology

Chattahoochee River Keeper

Oxbow Environmental Learning Center – Focus Groups

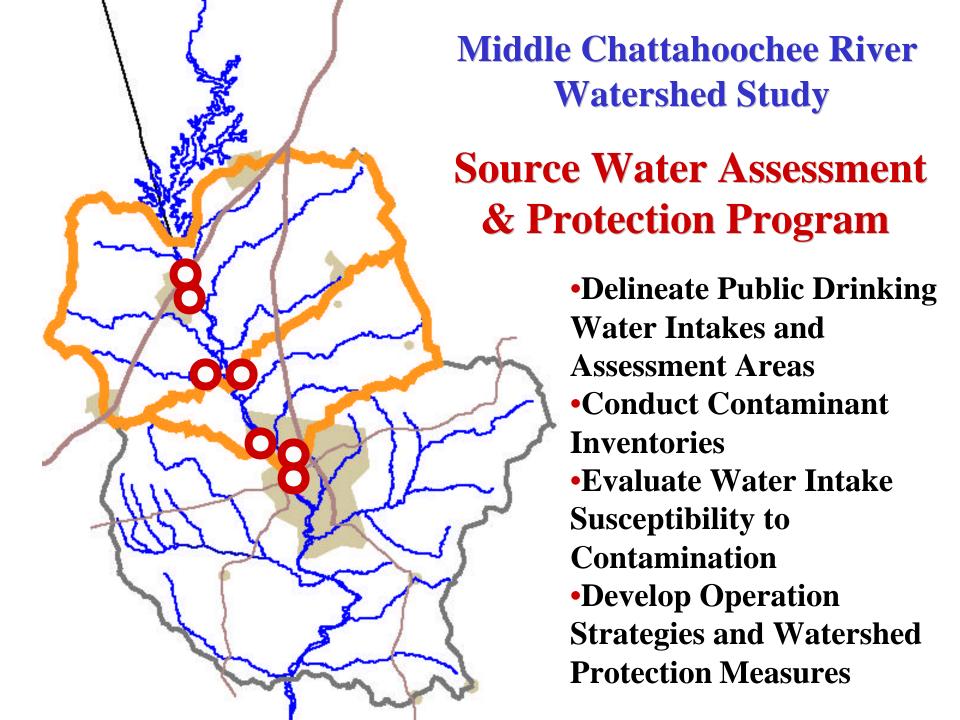
Georgia Conservancy

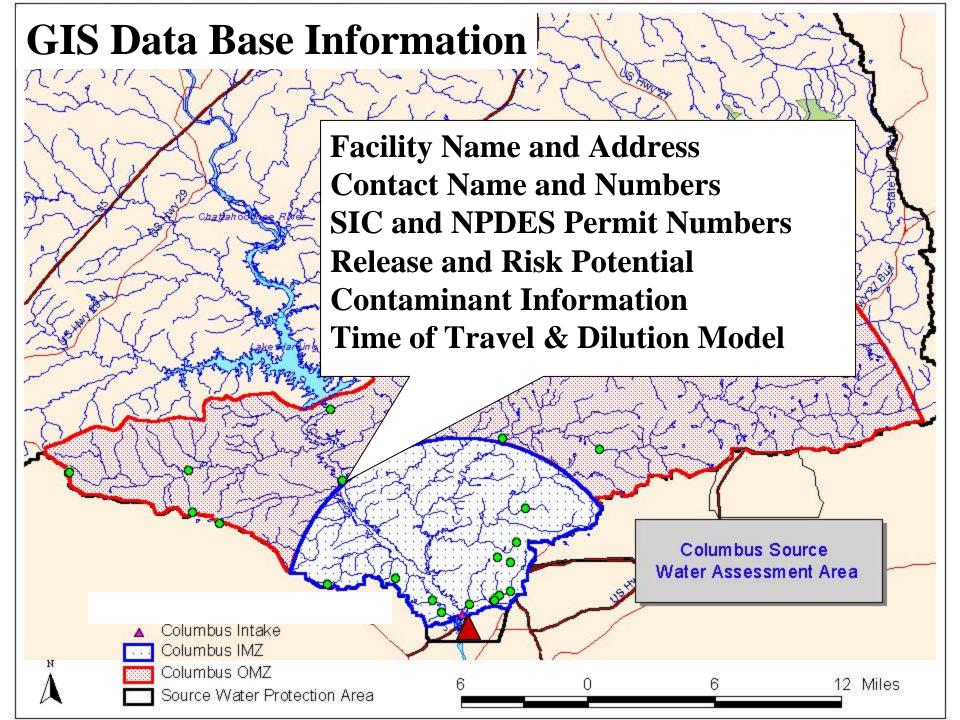
Adopt-A-Stream

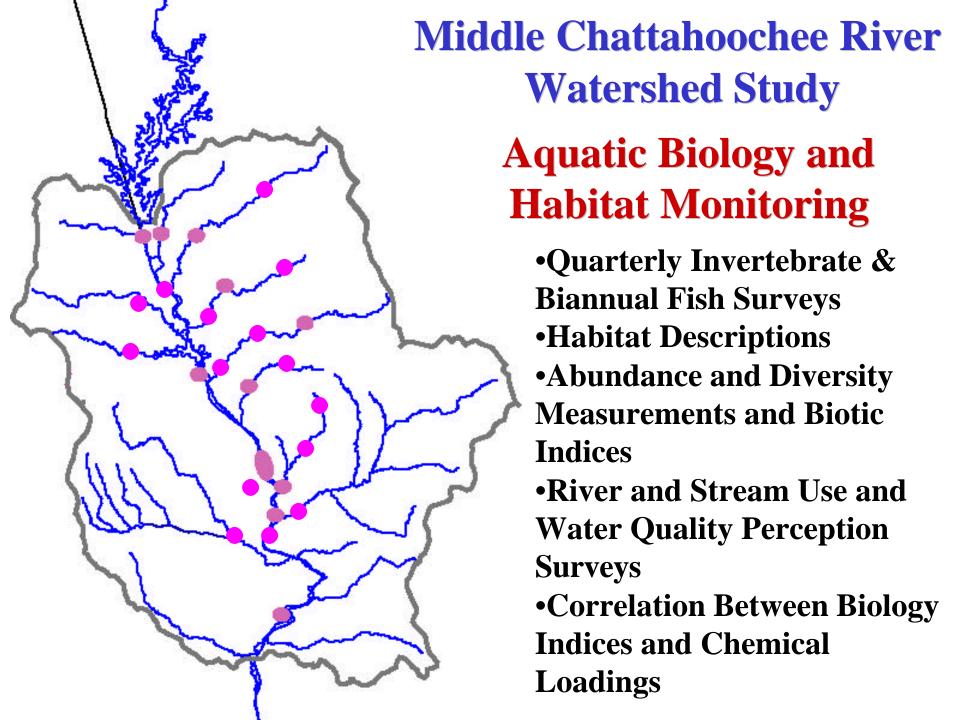
RiverKids Network

Girl and Boy Scouts of America

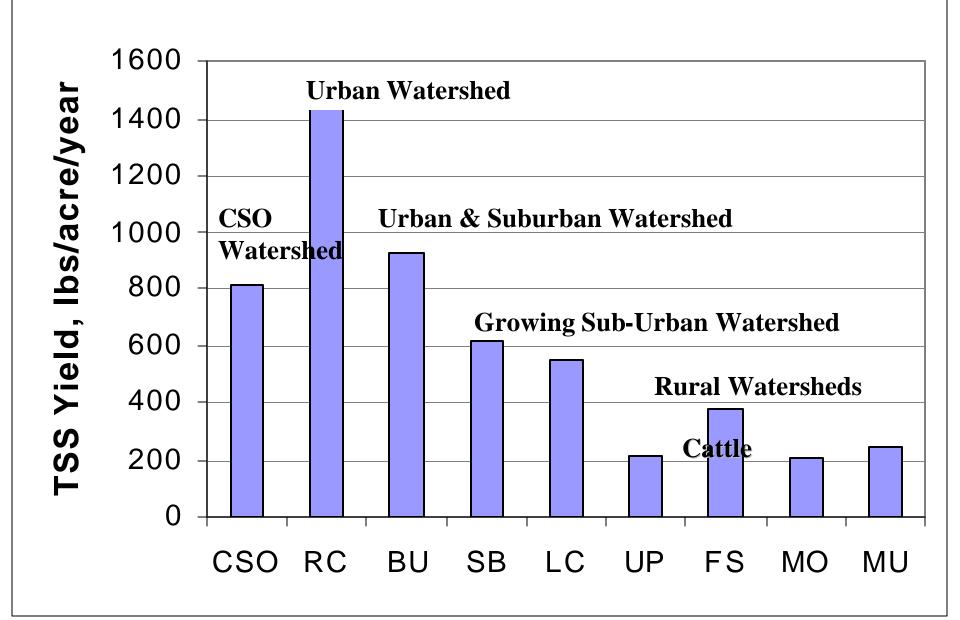
Georgia Lake Society



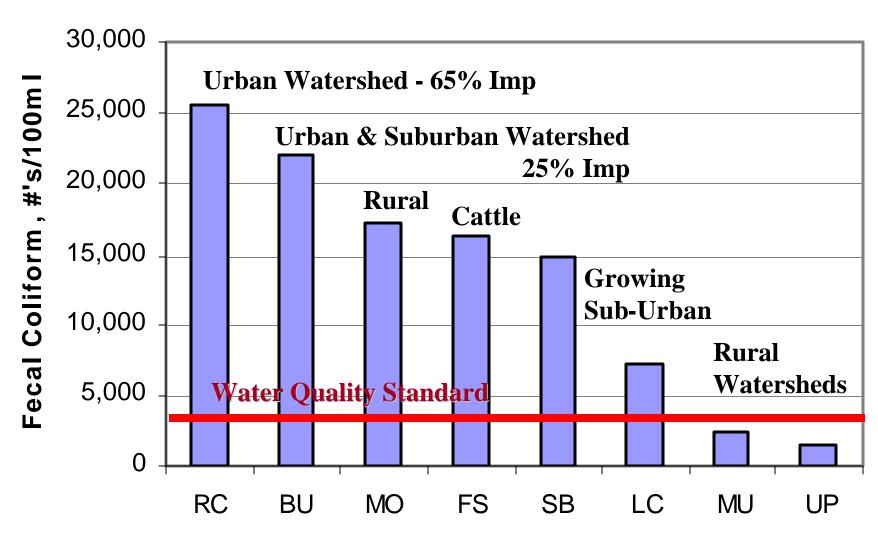




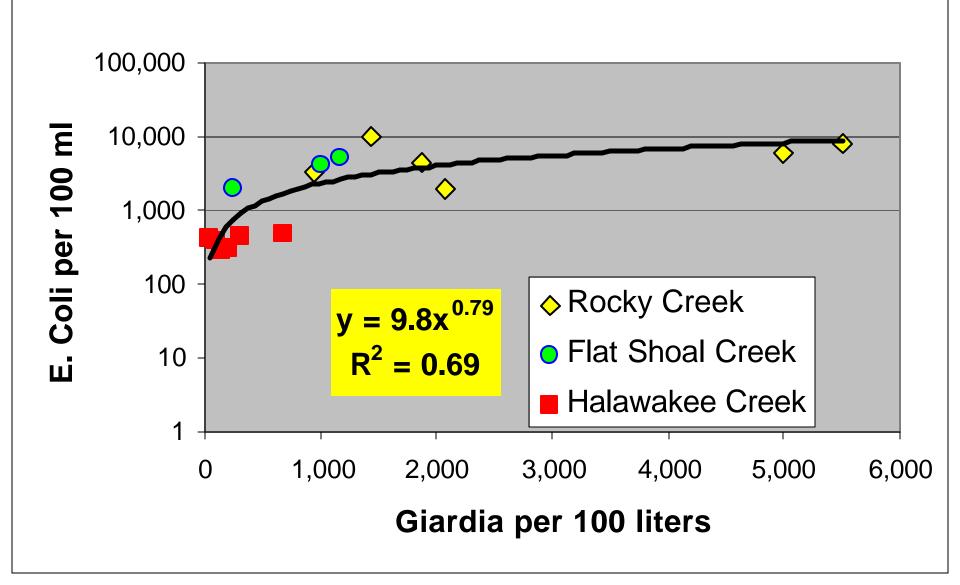
TSS Yields by Watershed



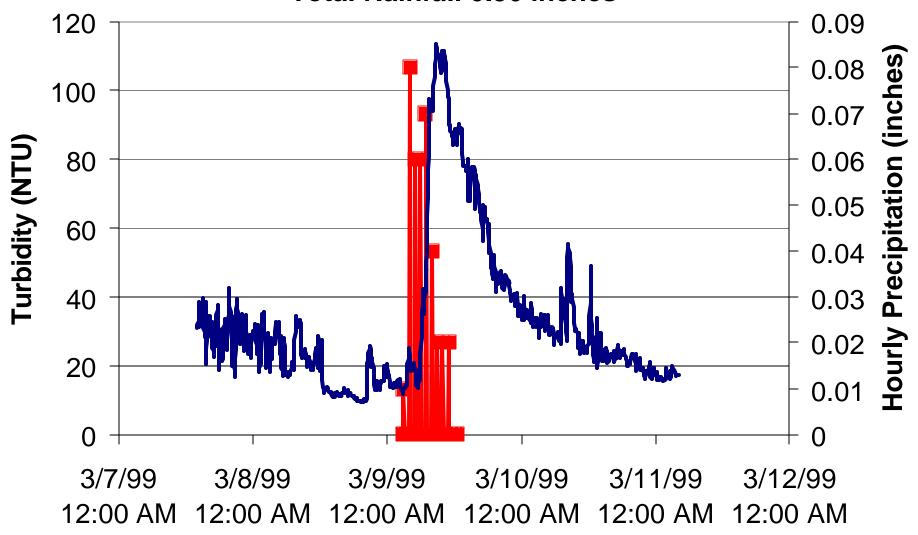
Average Wet Weather Fecal Coliform Concentration by Watershed



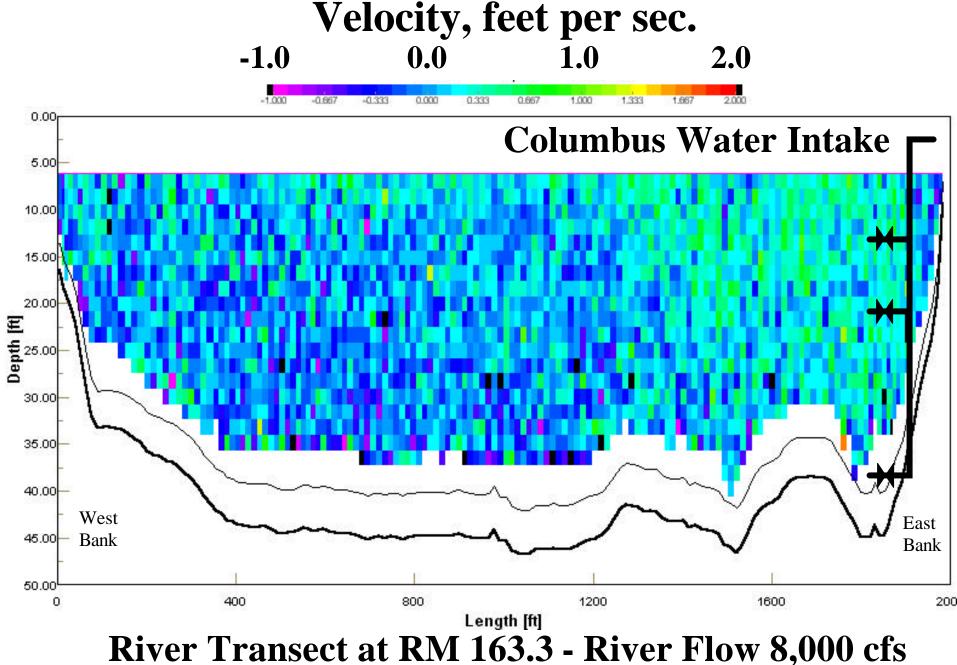
Giardia vs E. Coli



Roaring Branch Creek Total Rainfall 0.36 inches



Precipitation — Turbidity



River Transect at RM 163.3 - River Flow 8,000 cfs CWW Water Intake at Oliver Dam

Proposed Source Water Protection Plan

- **Stakeholder Organization** 7 Water Companies, GA Power, COE, AL and GA Regulators, NRCS, Mead Corp, local universities & the River Keeper
- Monitoring Network Internet-Based Long-Term Real-Time Monitoring Network on River and Primary Impact Creeks to Monitor Progress and Provide Early Warning
- **Communications Network** Internet-Based GIS Information and Communications Network Between Stakeholder Organizations, Stewardship Groups and Public
- **Source Water Protection Policies** Basinwide Policies for Watershed Management Approved and Implemented by Stakeholders through Local Ordinance and Agreements
- Implementation Plan Proposed Implementation of Basinwide Organization, Policies, Monitoring and Communications Network and Individual Protection Plans

